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标题: Using the methods and facilities of nonsteady-state spectroscopy of the subterahertz and terahertz frequency ranges for noninvasive medical diagnosis

作者: Vaks, VL (Vaks, V. L.); Domracheva, EG (Domracheva, E. G.); Sobakinskaya, EA (Sobakinskaya, E. A.); Chernyaeva, MB (Chernyaeva, M. B.); Maslennikova, AV (Maslennikova, A. V.)

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摘要: This paper discusses ways to implement terahertz-range spectrometers based on the effects of freely damped polarization and rapid traverse of the frequency range. It presents the results of using developed spectrometers to record the presence of ammonia, acetone, and nitric oxide in exhaled air, as well as to analyze a liquid (Custodiol) for flushing transplanted parenchymatous organs. (C) 2012 Optical Society of America.

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地址: [Vaks, V. L.; Domracheva, E. G.; Sobakinskaya, E. A.; Chernyaeva, M. B.] Russian Acad Sci, Inst Microstruct Phys, Nizhnii Novgorod, Russia

[Maslennikova, A. V.] Fed Agcy Hlth Maintenance & Social Dev, State Med Acad, Nizhnii Novgorod, Russia

通讯作者地址: Vaks, VL (通讯作者), Russian Acad Sci, Inst Microstruct Phys, Nizhnii Novgorod, Russia

电子邮件地址: elena@ipm.sci-nnov.ru

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